

What is claimed is:

1. A seismic suspension system comprising  
a steel web joist including a beam with two angle elements, each having a first leg and a second leg, the first legs being parallel with a cord space therebetween and the second legs extending in opposite directions;  
5 an anchor plate extending across the cord space and in juxtaposition with each second leg and including a first hole therethrough;  
an engagement plate including a flat anchor portion having a second hole therethrough and upstanding engagement portions to either side of the flat anchor portion, the engagement plate extending across the cord space opposite the anchor  
10 plate, each upstanding engagement portion being at an obtuse angle substantially greater than 90° to the flat anchor portion and having a distal edge with an engagement profile abutting and being in interlocking engagement with the first legs;  
a stud extending from the first hole to and beyond the second hole, the stud being adapted to secure the anchor plate and the engagement plate to the beam of the  
15 steel web joist.
2. The system of claim 1, the stud being threaded and the anchor plate being a square flat plate with the first hole therethrough being centrally positioned and threaded to engage the threaded stud.
3. The system of claim 1, each engagement profile including a tongue extending between the first legs of the steel web joist in the cord space and shoulders to either side of the tongue.